AM_1_RBR

paragraph_id	release	segment	req_title	req_type	req_cat	funct_status	text	interpretation
AM1-0020#A	A	FOS↓CSMS	AM-1 Spacecraft Commands	interface	mission essential	fully met	The EOC shall have the capability to send (via EDOS/Ecom and the SN, GN, DSN, or WOTS) and the AM-1 spacecraft shall have the capability to receive spacecraft commands in CCSDS CLTUs (as defined in AM-1 ICD 106).	
AM1-0020#B	B	FOS↓CSMS	AM-1 Spacecraft Commands	interface	mission essential	no new functionality	The EOC shall have the capability to send (via EDOS/Ecom and the SN, GN, DSN, or WOTS) and the AM-1 spacecraft shall have the capability to receive spacecraft commands in CCSDS CLTUs (as defined in AM-1 ICD 106).	
AM1-0030#A	A	FOS↓CSMS	AM-1 Instrument Commands	interface	TBD	fully met	The EOC shall have the capability to send (via EDOS/Ecom and the SN, GN, DSN, or WOTS) and the AM-1 spacecraft shall have the capability to receive instrument commands in CCSDS CLTUs (as defined in AM-1 ICD 106).	
AM1-0030#B	B	FOS↓CSMS	AM-1 Instrument Commands	interface	TBD	no new functionality	The EOC shall have the capability to send (via EDOS/Ecom and the SN, GN, DSN, or WOTS) and the AM-1 spacecraft shall have the capability to receive instrument commands in CCSDS CLTUs (as defined in AM-1 ICD 106).	
AM1-0050#A	A	FOS↓CSMS	AM-1 Real Time H/K Telemetry	interface	TBD	fully met	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) real time AM-1 spacecraft and instrument housekeeping telemetry packets (as defined in AM-1 ICD 106) via EDOS/Ecom and the SN, GN, DSN, or WOTS interfaces.	
AM1-0050#B	B	FOS↓CSMS	AM-1 Real Time H/K Telemetry	interface	TBD	no new functionality	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) real time AM-1 spacecraft and instrument housekeeping telemetry packets (as defined in AM-1 ICD 106) via EDOS/Ecom and the SN, GN, DSN, or WOTS interfaces.	

AM1-0070#A	A	FOS | CSM S	AM-1 Recor ded H/K Tele metry	interf ace	TBD	partia lly met	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets) recorded AM-1 spacecraft and instrument housekeeping telemetry packets (as defined in AM-1 ICD 106) via EDOS/Ecom and the SN, GN, DSN, or WOTS interfaces.	
AM1-0070#B	B	FOS | CSM S	AM-1 Recor ded H/K Tele metry	interf ace	TBD	all functi onalit y comp lete	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets) recorded AM-1 spacecraft and instrument housekeeping telemetry packets (as defined in AM-1 ICD 106) via EDOS/Ecom and the SN, GN, DSN, or WOTS interfaces.	
AM1-0090#A	A	FOS | CSM S	AM-1 Dum p Tele metry	interf ace	TBD	partia lly met	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry packets (as defined in AM-1 ICD 106) via EDOS/Ecom and the SN, GN, DSN, or WOTS interfaces.	
AM1-0090#B	B	FOS | CSM S	AM-1 Dum p Tele metry	interf ace	TBD	all functi onalit y comp lete	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry packets (as defined in AM-1 ICD 106) via EDOS/Ecom and the SN, GN, DSN, or WOTS interfaces.	
AM1-0120#A	A	FOS | CSM S	Pre-Laun ch AM-1 S/C Com mand s	interf ace	TBD	fully met	The EOC shall have the capability to send and the AM-1 spacecraft shall have the capability to receive spacecraft commands in CCSDS CLTUs (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS.	

AM1-0120#B	B	FOS | CSMS	Pre-Launch AM-1 S/C Commands	interface	TBD	no new functionality	The EOC shall have the capability to send and the AM-1 spacecraft shall have the capability to receive spacecraft commands in CCSDS CLTUs (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS.
AM1-0125#A	A	FOS | CSMS	Pre-launch R/T H/K Telemetry	interface	TBD	fully met	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) real time AM-1 housekeeping telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS.
AM1-0125#B	B	FOS | CSMS	Pre-launch R/T H/K Telemetry	interface	TBD	no new functionality	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) real time AM-1 housekeeping telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS.
AM1-0130-a#A	A	FOS | CSMS	Pre-launch Recorded H/K Telemetry	interface	TBD	partially met	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) recorded AM-1 housekeeping telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS (using the EDOS rate buffered path service).
AM1-0130-a#B	B	FOS | CSMS	Pre-launch Recorded H/K Telemetry	interface	TBD	all functionality complete	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) recorded AM-1 housekeeping telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS (using the EDOS rate buffered path service).

~~AM1-0130-b#B~~	~~B~~	~~CSMS | FOS~~	~~Pre-launch Recorded H/K Telemetry~~	~~interface~~	~~TBD~~	~~no new functionality~~	~~The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) recorded AM-1 housekeeping telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS (using the EDOS real time telemetry service).~~	
AM1-0135-a#A	A	FOS | CSMS	Pre-launch Dump Telemetry	interface	TBD	partially met	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS ~~(using EDOS rate buffered path service)~~.	
AM1-0135-a#B	B	FOS | CSMS	Pre-launch Dump Telemetry	interface	TBD	all functionality complete	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS ~~(using EDOS rate buffered path service)~~.	
~~AM1-0135-b#A~~	~~A~~	~~FOS~~	~~Pre-launch Dump Telemetry~~	~~interface~~	~~TBD~~	~~TBD~~	~~The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS (using EDOS real time telemetry service).~~	

AM1-0135-b#B	B	FOS	Pre-launch Dump Telemetry	interface	TBD	TBD	The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry packets (as defined in AM-1 ICD 106) via pre-launch test configurations which include the AM-1 Spacecraft Checkout Station, Ecom, and EDOS or ETS (using EDOS real time telemetry service).	
AM1-0140#A[1]	A	FOS | CSMS	Launch Telemetry	interface	TBD	fully met	The SCS shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets) AM-1 spacecraft telemetry data (as defined in AM-1 ICD-106) during spacecraft launch via launch configurations which include EDOS and Ecom.	
AM1-0140#B	B	FOS | CSMS	Launch Telemetry	interface	TBD	fully met	The SCS shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets) AM-1 spacecraft telemetry data (as defined in AM-1 ICD-106) during spacecraft launch via launch configurations which include EDOS and Ecom.	
AM1-0150#A	A	FOS	SSIM Commanding	interface	TBD	partially met	The EOC shall have the capability to send and the SSIM shall have the capability to receive AM-1 spacecraft and instrument commands in CCSDS CLTU format (as defined in AM-1 ICD-106).	
AM1-0150#B	B	FOS	SSIM Commanding	interface	TBD	fully met	The EOC shall have the capability to send and the SSIM shall have the capability to receive AM-1 spacecraft and instrument commands in CCSDS CLTU format (as defined in AM-1 ICD-106).	
AM1-0160#A	A	FOS	SSIM R/T H/K Telemetry	interface	TBD	fully met	The SSIM shall have the capability to send and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets) simulated real time AM-1 spacecraft and instrument housekeeping telemetry packets and Command Link Control Words (as defined in AM-1 ICD-106).	

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[1] The addition of this new RBR is REJECTED. Testing with launch configurations is neither required nor testable until Release B. (CCR Task 3)

AM1-0160#B	B	FOS	SSIM R/T H/K Tele metry	interf ace	TBD	fully met	The SSIM shall have the capability to send and the EOC shall have the capability to receive ~~(in EDUs containing CCSDS telemetry packets)~~ simulated real time AM-1 spacecraft and instrument housekeeping telemetry packets and Command Link Control Words (as defined in AM-1 ICD-106).	
AM1-0170#A[2]	A	FOS	CSM S	SSI M Recor ded H/K Tele metry	interf ace	TBD	fully met	~~The SSIM shall have the capability to send and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets) simulated recorded AM-1 spacecraft and instrument housekeeping telemetry packets (as defined in AM-1 ICD-106).~~	
AM1-0170#B	B	FOS	CSM S	SSI M Recor ded H/K Tele metry	interf ace	TBD	fully met	The SSIM shall have the capability to send and the EOC shall have the capability to receive ~~(in EDUs containing CCSDS telemetry packets)~~ simulated recorded AM-1 spacecraft and instrument housekeeping telemetry packets (as defined in AM-1 ICD-106).	
AM1-0200#A[3]	A	FOS	CSM S	SSI M Dum p Tele metry	interf ace	TBD	partia lly met	~~The SSIM shall have the capability to send and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets) simulated AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry (as defined in AM-1 ICD-106).~~	
AM1-0200#B	B	FOS	CSM S	SSI M Dum p Tele metry	interf ace	TBD	fully met	The SSIM shall have the capability to send and the EOC shall have the capability to receive ~~(in EDUs containing CCSDS telemetry packets)~~ simulated AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry (as defined in AM-1 ICD-106).	
AM1-0215#A	A	FOS	Proje ct Data Base from AM-1 Vend or	interf ace	TBD	fully met	The AM-1 spacecraft vendor shall have the capability to provide and the EOC shall have the capability to receive, AM-1 project data base information containing both spacecraft and instrument parameters.	
AM1-0215#B	B	FOS	Proje ct Data Base from AM-1 Vend or	interf ace	TBD	no new functi onalit y	The AM-1 spacecraft vendor shall have the capability to provide and the EOC shall have the capability to receive, AM-1 project data base information containing both spacecraft and instrument parameters.	

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[2] The addition of this new RBR is REJECTED. The SSIM interface is neither required nor testable until Release B. (CCR Task 3)

[3] The addition of this new RBR is REJECTED. The SSIM interface is neither required nor testable until Release B. (CCR Task 3)

AM1-0220#A	A	CSMS	IST Toolkit Delivery	interface	TBD	partially met	The ECS shall have the capability to provide and the MISR, MOPITT, MODIS, and CERES PIs/TLs shall have the capability to receive IST toolkit software, IST toolkit software upgrades, and IST toolkit documentation.	
AM1-0220#B	B	CSMS	IST Toolkit Delivery	interface	TBD	all functionality complete	The ECS shall have the capability to provide and the MISR, MOPITT, MODIS, and CERES PIs/TLs shall have the capability to receive IST toolkit software, IST toolkit software upgrades, and IST toolkit documentation.	
AM1-0225-a#A	A	FOS	AM-1 Spacecraft Analysis Software	interface	TBD	fully met	The AM-1 spacecraft vendor shall have the capability to provide and ECS shall have the capability to receive spacecraft analysis tools for implementation and integration into the EOC (using the generic FOS analysis output file capability on a standalone EOC workstation).	
AM1-0225-a#B	B	FOS	AM-1 Spacecraft Analysis Software	interface	TBD	no new functionality	The AM-1 spacecraft vendor shall have the capability to provide and ECS shall have the capability to receive spacecraft analysis tools for implementation and integration into the EOC (using the generic FOS analysis output file capability on a standalone EOC workstation).	
AM1-0225-b#A	A	FOS	AM-1 Spacecraft Analysis Software	interface	TBD	TBD	The AM-1 spacecraft vendor shall have the capability to provide and ECS shall have the capability to receive spacecraft analysis tools for implementation and integration into the EOC (requirements in addition to using the generic FOS analysis output file capability).	
AM1-0225-b#B	B	FOS	AM-1 Spacecraft Analysis Software	interface	TBD	TBD	The AM-1 spacecraft vendor shall have the capability to provide and ECS shall have the capability to receive spacecraft analysis tools for implementation and integration into the EOC (requirements in addition to using the generic FOS analysis output file capability).	
AM1-0230#A	A	FOS	IST Toolkit Data Import	interface	TBD	partially met	The IST toolkit shall have the capability to accept data from a science computing facility that supports PI/TL operations, which include the following data (at a minimum): a. instrument microprocessor memory loads. b. changes in the instrument parameters	

AM1-0230#B	B	FOS	IST Toolkit Data Import	interface	TBD	all functionality complete	The IST toolkit shall have the capability to accept data from a science computing facility that supports PI/TL operations, which include the following data (at a minimum): a. instrument microprocessor memory loads. b. changes in the instrument parameters	
AM1-0240#A	A	FOS	IST Toolkit data export	interface	TBD	partially met	The IST toolkit shall have the capability to provide data to a science computing facility that supports PI/TL instrument operations, which include the following data (at a minimum): a. Microprocessor memory dumps b. Instrument analysis results	
AM1-0240#B	B	FOS	IST Toolkit data export	interface	TBD	all functionality complete	The IST toolkit shall have the capability to provide data to a science computing facility that supports PI/TL instrument operations, which include the following data (at a minimum): a. Microprocessor memory dumps b. Instrument analysis results	
AM1-0270#B	B	FOS	CSMS	Flight Software Updates from SDVF	interface	TBD	fully met	The AM-1 SDVF shall have the capability to send and ECS shall have the capability to receive AM-1 SCC flight software updates.	
~~AM1-0280#A~~[4]	~~A~~	~~FOS	CSMS~~	~~Flight Software Dumps to SDVF~~	~~interface~~	~~TBD~~	~~partially met~~	~~ECS shall have the capability to send and the AM-1 SDVF shall have the capability to receive AM-1 SCC flight software dumps.~~	
AM1-0280#B	B	FOS	CSMS	Flight Software Dumps to SDVF	interface	TBD	fully met	ECS shall have the capability to send and the AM-1 SDVF shall have the capability to receive AM-1 SCC flight software dumps.	
AM1-0310#B	B	FOS NONE	Training to AM-1 Vendor	procedural	TBD	fully met	The ECS contractor shall provide and the AM-1 spacecraft vendor shall receive training on operations of the FOS.	M&O will support
AM1-0315#B	B	FOS NONE	Training to AM-1 PI/TLs	procedural	TBD	fully met	The ECS contractor shall provide and the AM-1 instrument teams shall receive training on operations of the IST toolkit.	M&O will support

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[4] The addition of this new RBR is REJECTED. The link between AM1-0280#B and F-TLM-10125 also should be broken. This link is in error. F-TLM-10125 is completely unrelated to AM1-0280.

AM1-0320#B	B	~~FOS~~ NONE	Training from AM-1 Vendor	procedural	TBD	fully met	The AM-1 spacecraft vendor shall provide and the ECS contractor shall receive AM-1 spacecraft operations training.	M&O will support.
AM1-0330#B	B	~~FOS~~ NONE	Training from AM-1 PI/TL	procedural	TBD	fully met	The AM-1 instrument teams shall provide and the ECS contractor shall receive AM-1 instrument operations training.	M&O will support.
~~AM1-0340#A~~[5]	~~A~~	~~FOS~~	~~Documentation from AM-1 Project~~	~~interface~~	~~TBD~~	~~fully met~~	~~The AM-1 project shall have the capability to provide and ECS shall have the capability to accept and store AM-1 spacecraft and instrument hardware and software technical documentation.~~	
AM1-0340#B	B	FOS	Documentation from AM-1 Project	interface	TBD	fully met	The AM-1 project shall have the capability to provide and ECS shall have the capability to accept and store AM-1 spacecraft and instrument hardware and software technical documentation.	
AM1-1000#B	B	FOS | CSMS	ECS RMA	interface	TBD	fully met	ECS functions shall have an operational availability (computed as defined in the Functional and Performance Requirements Specification for the ECS) of 0.96 at a minimum and a mean down time (MDT) of four (4) hours or less, unless otherwise specified.	
AM1-1010#B	B	FOS	RMA - Critical R/T Functions	interface	TBD	fully met	The ECS FOS shall have an operational availability of 0.9998 at a minimum and a MDT of one (1) minute or less for critical real time functions that support: a. Launch b. Early orbit checkout c. Disposal d. Orbit adjustment e. Anomaly investigation f. Recovery from safe mode g. Routine real time commanding and associated monitoring for spacecraft and instrument health and safety	
AM1-1020#B	B	FOS	RMA for non-critical R/T functions	interface	TBD	fully met	The ECS FOS shall have an operational availability of 0.99925 at a minimum and a MDT of five (5) minutes or less for non-critical real time functions.	

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[5] The addition of this new RBR is REJECTED. The storage of AM project documentation is a Release B capability.

AM1-1050#A	A	FOS | CSMS	AM-1 Uplink Rates	interface	TBD	fully met	The EOC shall support several uplink rates to the spacecraft, which include at a minimum the following: a. 10 kilobits per second (kbps) (SSA uplink) b. 1 kbps (S-band MA uplink) c. 125 bits per second (bps) (SSA uplink during contingency operations) d. 2 kbps (emergency operations via S-band DSN link)	
AM1-1050#B	B	FOS | CSMS	AM-1 Uplink Rates	interface	TBD	no new functionality	The EOC shall support several uplink rates to the spacecraft, which include at a minimum the following: a. 10 kilobits per second (kbps) (SSA uplink) b. 1 kbps (S-band MA uplink) c. 125 bits per second (bps) (SSA uplink during contingency operations) d. 2 kbps (emergency operations via S-band DSN link)	
AM1-1060#A[6]	A	FOS | CSMS	Simultaneous Telemetry Types	interface	TBD	fully met	The EOC shall be capable of simultaneously receiving all AM-1 telemetry data types.	
AM1-1060#B	B	FOS | CSMS	Simultaneous Telemetry Types	interface	TBD	fully met	The EOC shall be capable of simultaneously receiving all AM-1 telemetry data types.	
AM1-1070#A	A	FOS | CSMS	Receive 2 16 kbps data streams	interface	TBD	fully met	The EOC shall provide the capability to receive and process real-time data received as two 16 kbps data streams.	
AM1-1070#B	B	FOS | CSMS	Receive 2 16 kbps data streams	interface	TBD	no new functionality	The EOC shall provide the capability to receive and process real-time data received as two 16 kbps data streams.	
AM1-1080-a#A	A	FOS | CSMS	S/C Recorder data up to 1.544 Mbps	interface	TBD	fully met	The EOC shall provide the capability to receive and record spacecraft recorder data at rates up to 1.544 Mbps (using the EDOS rate buffered path service).	

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[6] The addition of this new RBR is REJECTED. This is a Release B performance requirement.

AM1-1080-a#B	B	FOS | CSMS	S/C Recorder data up to 1.544 Mbps	interface	TBD	fully met	The EOC shall provide the capability to receive and record spacecraft recorder data at rates up to 1.544 Mbps (using the EDOS rate buffered path service).	
AM1-1080-b#B	B	FOS | CSMS	S/C Recorder data up to 1.544 Mbps	interface	TBD	no new functionality	The EOC shall provide the capability to receive and record spacecraft recorder data at rates up to 512 kbps (using the EDOS real time telemetry service).	
AM1-1090#A	A	FOS | CSMS	SSIM Command Rates	interface	TBD	fully met	The EOC shall be capable of providing CLTUs to the SSIM at the following data rates: a. 125 bps b. 1 kbps c. 2 kbps d. 10 kbps	
AM1-1090#B	B	FOS | CSMS	SSIM Command Rates	interface	TBD	fully met	The EOC shall be capable of providing CLTUs to the SSIM at the following data rates: a. 125 bps b. 1 kbps c. 2 kbps d. 10 kbps	
AM1-1100#A	A	FOS | CSMS	Two 16kbps streams from SSIM	interface	TBD	fully met	The EOC shall be capable of receiving two housekeeping telemetry packet streams of 16 kbps from the SSIM.	
AM1-1100#B	B	FOS | CSMS	Two 16kbps streams from SSIM	interface	TBD	fully met	The EOC shall be capable of receiving two housekeeping telemetry packet streams of 16 kbps from the SSIM.	
AM1-1110#A	A	FOS | CSMS	1 kbps telemetry from SSIM	interface	TBD	fully met	The EOC shall be capable of receiving a health and safety telemetry packet stream from the SSIM at 1 kbps.	
AM1-1110#B	B	FOS | CSMS	1 kbps telemetry from SSIM	interface	TBD	fully met	The EOC shall be capable of receiving a health and safety telemetry packet stream from the SSIM at 1 kbps.	
AM1-1120#A	A	FOS | CSMS	16 kbps diagnostics/dump from SSIM	interface	TBD	fully met	The EOC shall be capable of receiving a diagnostic telemetry/memory dump packet stream from the SSIM at 16 kbps.	

AM1-1120#B	B	FOS | CSMS	16 kbps diagnostics/dump from SSIM	interface	TBD	fully met	The EOC shall be capable of receiving a diagnostic telemetry/memory dump packet stream from the SSIM at 16 kbps.	
AM1-1130#B	B	FOS | CSMS	SSIM Recorder Dumps 256/512 kbps	interface	TBD	fully met	The EOC shall be capable of receiving a spacecraft recorder housekeeping telemetry packet stream from the SSIM at 256 kbps or 512 kbps.	
AM1-1150#A	A	FOS | CSMS	Loop Delay - Emergency R/T Commands	interface	TBD	partially met	ECS shall contribute a loop delay of not greater than 2.5 seconds of the total system delay of five (5) seconds for emergency real-time commands, not including the time needed for command execution. The loop delay is measured from the originator to the spacecraft/instrument and back and only applies when a Tracking and Data Relay Satellite System (TDRSS) link is available for contact to the spacecraft.	
AM1-1150#B	B	FOS | CSMS	Loop Delay - Emergency R/T Commands	interface	TBD	all functionality complete	ECS shall contribute a loop delay of not greater than 2.5 seconds of the total system delay of five (5) seconds for emergency real-time commands, not including the time needed for command execution. The loop delay is measured from the originator to the spacecraft/instrument and back and only applies when a Tracking and Data Relay Satellite System (TDRSS) link is available for contact to the spacecraft.	